

CLAIMS

What is claimed is:

5           1. A component mount for a computer, comprising:  
          a component latch movable between a latched  
configuration and an unlatched configuration;  
          a plurality of bosses; and  
          a lifter engageable with the plurality of bosses to  
10   move a component to a lifted position in the unlatched  
configuration, wherein the plurality of bosses comprise a  
retention structure retainable against a mating retention  
structure of the lifting mechanism to retain the component  
in the lifted position.

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          2. The component mount of claim 1, wherein the  
retention structure and the mating retention structure  
comprises angled abutment surfaces.

20           3. The component mount of claim 2, wherein the angled  
abutment surfaces comprise a notch and a tab.

4. The component mount of claim 2, wherein the angled abutment surfaces are substantially perpendicular.

5. The component mount of claim 1, wherein the lifter  
5 comprises at least one angled surface leading to the mating retention structure.

6. The component mount of claim 5, wherein the plurality of bosses comprise a curved engagement surface  
10 disposed against the at least one angled surface.

7. A component mount for a computer, comprising:  
a component latch movable between a latched configuration and an unlatched configuration;  
15 a lifter having a sloped structure leading to an inwardly angled structure; and  
a boss movable along the sloped structure to a lifted position at the inwardly angled structure, whereat a mating angled structure of the boss is retainable against the  
20 inwardly angled structure.

8. The component mount of claim 7, wherein the inwardly angled structure comprises a notch.

9. The component mount of claim 7, wherein the mating angled structure comprises an outwardly extending tab.

5        10. The component mount of claim 7, wherein the inwardly angled structure and the mating angled structure comprise substantially perpendicular abutment surfaces.

11. The component mount of claim 7, wherein the boss  
10        comprises a curved engagement surface disposed against the sloped structure.

12. The component mount of claim 7, comprising at least one additional lifter and at least one additional  
15        boss, which is movable by the at least one additional lifter to the lifted position.

13. The component mount of claim 12, wherein the least one additional lifter and the at least one additional boss  
20        comprise retention structures, which are retainable against one another at the lifted position.

14. A removable computer component, comprising:

a component housing insertable into a receptacle of a computer chassis; and

a component mount at least partially disposed on the component housing and at least partially mountable in the computer chassis, the component mount comprising:

a component latch movable between a latched configuration and an unlatched configuration;

a lifter having a sloped structure leading to an angled retention structure; and

a boss movable along the sloped structure to a lifted position at the angled retention structure, whereat a mating angled structure of the boss is retainable against the angled retention structure.

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15. The removable computer component of claim 14, wherein the component housing comprises a battery module.

16. The removable computer component of claim 14,

wherein one of the angled retention structure and the mating angled structure comprises a notch, and a mating one of the angled retention structure and the mating angled structure comprises an outwardly extending tab.

17. The removable computer component of claim 14,  
wherein the angled retention structure and the mating  
angled structure comprise substantially perpendicular  
5 abutment surfaces.

18. The removable computer component of claim 14,  
comprising at least one additional lifter and at least one  
additional boss, which is movable by the at least one  
10 additional lifter to the lifted position.

19. The removable computer component of claim 18,  
wherein the least one additional lifter and the at least  
one additional boss comprise retention structures, which  
15 are retainable against one another at the lifted position.

20. A removable computer component, comprising:  
a component housing insertable into a receptacle of a  
computer chassis; and  
20 a component mount at least partially disposed on the  
component housing and at least partially mountable in the  
computer chassis, the component mount comprising:

a latching mechanism movable to latch and unlatch the component housing with the receptacle; and

a plurality of bosses movable by a lifting mechanism to move the component housing to a lifted position, whereat retention structures are engageable to support the component housing in the lifted position.

21. The removable computer component of claim 20,  
10 wherein the component housing comprises a battery module.

22. A computer chassis, comprising:

a recessed structure adapted to receive a computer component;

15 a component mount at least partially positioned in the recessed structure and at least partially mountable to the computer component, the component mount comprising:

a component latch movable between a latched configuration and an unlatched configuration;

20 a lifter having a sloped structure leading to an angled retention structure; and

a boss movable along the sloped structure to a lifted position at the angled retention structure,

whereat a mating angled structure of the boss is retainable against the angled retention structure.

23. The computer chassis of claim 22, wherein the  
5 recessed structure is disposed within a portable computer housing.

24. The computer chassis of claim 22, comprising a motherboard and a processor mounted to the motherboard.  
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25. The computer chassis of claim 22, comprising a display coupled to a component housing having the recessed structure.

15 26. The computer chassis of claim 22, wherein the recessed structure comprises battery connectors engageable with mating connectors of the computer component.

27. The computer chassis of claim 22, wherein one of  
20 the angled retention structure and the mating angled structure comprises a notch, and a mating one of the angled retention structure and the mating angled structure comprises an outwardly extending tab.

28. The computer chassis of claim 22, comprising at least one additional lifter and at least one additional boss, which is movable by the at least one additional  
5 lifter to the lifted position.

29. A computer chassis, comprising:

a recessed structure adapted to receive a computer component;

10 a component mount at least partially positioned in the recessed structure and at least partially mountable to the computer component, the component mount comprising:

a latching mechanism adapted to latch and unlatch the computer component with the recessed structure;

15 and

a plurality of bosses movable by a lifting mechanism to move the component housing to a lifted position, whereat retention structures are engageable to support the component housing in the lifted  
20 position.



30. The computer chassis of claim 29, wherein the recessed structure is disposed within a portable housing having a panel display.

5        31. The computer chassis of claim 29, wherein the recessed structure comprises battery connectors engageable with mating connectors of the computer component.

10       32. The computer chassis of claim 29, wherein the retention structures comprise a notch and an outwardly extending tab.